

Title (en)  
POLYPHENYLENE SULFIDE FIBER

Title (de)  
POLYPHENYLSULFIDFASER

Title (fr)  
FIBRE DE SULFURE DE POLYPHÉNYLÈNE

Publication  
**EP 3202961 A4 20180502 (EN)**

Application  
**EP 15847414 A 20150924**

Priority  
• JP 2014201595 A 20140930  
• JP 2015076911 W 20150924

Abstract (en)  
[origin: EP3202961A1] Provided is a poly(phenylene sulfide) fiber which changes little in fiber structure and has excellent long-term heat resistance. Namely, a poly(phenylene sulfide) fiber having a degree of crystallization of 45.0% or higher, a content of movable amorphous components of 15.0% or less, and a weight-average molecular weight of 300,000 or less is provided.

IPC 8 full level  
**D01F 6/76** (2006.01)

CPC (source: EP KR US)  
**B01D 39/083** (2013.01 - US); **C08G 75/02** (2013.01 - US); **C08G 75/16** (2013.01 - US); **C08K 5/375** (2013.01 - US); **C08L 23/32** (2013.01 - US); **D01D 5/12** (2013.01 - US); **D01F 6/76** (2013.01 - KR); **D01F 6/765** (2013.01 - EP US); **D02J 1/22** (2013.01 - EP US); **D02J 13/00** (2013.01 - EP US); **D02J 13/005** (2013.01 - EP US); **B01D 2239/0618** (2013.01 - US); **D10B 2505/04** (2013.01 - KR)

Citation (search report)  
• [I] JP 2013249553 A 20131212 - TORAY INDUSTRIES, et al  
• [A] US 5215819 A 19930601 - ANDERHEGGEN WOLFGANG [DE], et al  
• See references of WO 2016052295A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3202961 A1 20170809; EP 3202961 A4 20180502**; AU 2015325717 A1 20170420; AU 2015325717 B2 20181206; CN 107075742 A 20170818; CN 107075742 B 20200403; JP 6642004 B2 20200205; JP WO2016052295 A1 20170713; KR 102259621 B1 20210602; KR 20170058949 A 20170529; TW 201619462 A 20160601; TW I653370 B 20190311; US 10106655 B2 20181023; US 2017226292 A1 20170810; WO 2016052295 A1 20160407

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**EP 15847414 A 20150924**; AU 2015325717 A 20150924; CN 201580052350 A 20150924; JP 2015076911 W 20150924; JP 2015556328 A 20150924; KR 20177008271 A 20150924; TW 104132090 A 20150930; US 201515515519 A 20150924